int.

Docket No.: 976.1001

# DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: ECONOMIC SUPPLY OPTIMIZATION SYSTEM the specification of which is attached hereto as Application Serial No. was filed on (if applicable). and was amended on I hereby authorize and request our attorney, Davidson, Davidson & Kappel, LLC. of 485 Seventh Avenue, New York, New York 10018 , filed to insert here in parentheses (Application number and application number of said application when known. I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information which is known to me to be material to the patentability of this application as defined in Title 37, Code of Federal Regulations, §1.56. I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign and/or provisional application(s) for patent or inventor's certificate listed below and have also identified below any foreign and/or provisional application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed. Priority claimed PRIOR APPLICATION(S) Yes No -(Day/Month/Year Filed) (Country) (Number) (Day/Month/Year Filed) (Country) (Number) I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application: (Status) (patented, pending, abandoned) (Application Serial Number) (Filing Date) (Status) (patented, pending, abandoned) (Filing Date) (Application Serial Number) As a named inventor I hereby appoint the following attorneys and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected terewith as follows: Manny W. Schecter, Registration No. 31,722, Lauren C. Bruzzone, Registration No. 35,082, Christopher A. Hughes, Registration No. 26,914, Edward A. Pennington, Registration No. 32,588, John E. Hoel, Registration No. 26,279, Joseph C. Redmond, Jr., Registration No. 18,753, Richard M. Ludwin, Registration No. 33,010, Douglas W. Cameron, Registration No. 31,596, Stephen C. Kaufman, Registration No. 29,551, Marian Underweiser, Registration No. 46,134, Wayne L. Ellenbogen, Registration No. 43,602, Robert M. Trepp, Registration No. 25,933, Louis P. Herzberg, Registration No. 41,500, Louis J. Percello, Registration No. 33,206, Paul J. Otterstedt, Registration No. 37,411, Daniel P. Morris, Registration No. 32,053, David M. Shofi, Registration No. 39,835 and Marc A. Ehrlich, Registration No. 39,966. outside counsel attorney Send correspondence to: outside counsel attorney Direct Telephone Calls to: I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full name of joint Full name of sole or first Stephen L. Abbott Inventor, if any William E. Dickey Inventor Steve Abbott Second Inventor's signature \_ Date Residence (city) Wappingers Falls , (state or country) New York Residence (city) New Canaan , (state or country) Connecticut

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Fifth Inventor's signature	Sixth Inventor's signature
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Inventor, if any Joseph V. Stehle	Inventor, if any Pitipong Veerakamolmal
Seventh Inventor's signature	Eighth Inventor's signature
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F. 11	T. 11
Full name of joint	Full name of joint
Inventor, if any Ronald A. Warfel	Inventor, if any
Ninth Inventor's signature	Tenth Inventor's signature
Date	Date
Residence (city) Duncannon, (state or country) Pennsylvania	Residence (city) , (state or country)
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# **DECLARATION AND POWER OF ATTORNEY**

As a below named invento	or, I hereby declare that:			
My residence, post office	address and citizenship are as stated below	next to my name.		
	first and joint inventor of the subject matt	er which is claimed and for which a patent is sought or	1 the invention entit	led:
the specification of which	MIC SUITE FOR THINK ATTON STST	EM		
X is attached here was filed on and was amend	ed on	as Application Serial No(if applicable).		
I hereby author	ize and request our attorney, Davidson, Da	tvidson & Kappel, LLC. of 485 Seventh Avenue, New	/ York, New York I	8100
I hereby state that I have r amendment referred to abo		e above identified specification, including the claims,	is amended by any	
I acknowledge the duty to Code of Federal Regulation		o me to be material to the patentability of this applicati	on as defined in Titl	le 37,
inventor's certificate listed		Code, §119 of any foreign and/or provisional applicate foreign and/or provisional application for patent or in ed.		ıaving
PRIOR APPLICATION(S	)		Priority cl	laime
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
of each of the claims of th 35, United States Code, §	is application is not disclosed in the prior to 12, I acknowledge the duty to disclose made filing date of the prior application and the	of any United States application(s) listed below and, in United States application in the manner provided by the atterial information as defined in Title 37, Code of Fede the national or PCT international filing date of this apportune.  (Status) (patented, pending and in the provided i	e first paragraph of ral Regulations, §1. lication:	Title
(Application Serial Numb	er) (Filing Date)	(Status) (patented, pend	ling, abandoned)	
As a named inventor I her Trademark Office connect		agent(s) to prosecute this application and transact all	business in the Pater	nt and
Edward A. Pennington, R. M. Ludwin, Registration I Underweiser, Registration Registration No. 41,500, I	egistration No. 32,588, John E. Hoel, Regi No. 33,010, Douglas W. Cameron, Registra No. 46,134, Wayne L. Ellenbogen, Regist	Registration No. 35,082, Christopher A. Hughes, Registration No. 26,279, Joseph C. Redmond, Jr., Registration No. 31,596, Stephen C. Kaufman, Registration Notration No. 43,602, Robert M. Trepp, Registration No. Paul J. Otterstedt, Registration No. 37,411, Daniel P. 1th, Registration No. 39,966.	non No. 18,753, Ric o. 29,551, Marian 25,933, Louis P. He	hard erzber
Send correspondence to: Direct Telephone Calls to	outside counsel attorney outside counsel attorney			
be true; and further that th	ese statements were made with the knowle der Section 1001 of Title 18 of the United	ge are true and that all statements made on information dge that willful false statements and the like so made: States Code and that such willful false statements may	are punishable by fir	ne or
Full name of sole or firs Inventor Steve Abbott	t	Full name of joint Inventor, if any William E. Dickey		
Inventor's signature Date Residence (city) New C	anaan , (state or country) Connecticut	Second Inventor's signature  Date 2-3-2  Residence (city) Wappingers Falls (state or co	untry) New York	1
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Inventor, if any William F. Holden, Jr.	Inventor, if any Yung-Joon Lee
inventor, it any witham 1. Holden, 51.	
Third Inventor's signature	Fourth Inventor's signature
	Date
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55902, U.S.A.	12538, U.S.A.
	E 11 (C) (C)
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Inventor, if any Joseph V. Stehle	Inventor, if any Pitipong Veerakamolmal
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Seventh Inventor's signature	Eighth Inventor's signature
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Full name of joint	Full name of joint
Inventor, if any Ronald A. Warfel	Inventor, if any
Ninth Inventor's signature	Tenth Inventor's signature
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Inventor Larry M. Leibovich	Inventor, if any Kevin P. O'Connor
Fifth Inventor's signature	Sixth Inventor's signature
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Inventor, if any Joseph V. Stehle	Inventor, if any Pitipong Veerakamolmal
Councille Instantanta alematum	Eighth Inventor's signature
Seventh Inventor's signature	Date
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U.S.A.	
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Inventor, if any Ronald A. Warfel	Inventor, if any
ittolicot, il utij <u>ztoriato ziz tranjo</u>	
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Inventor, if any William E. Dickey

Second Inventor's signature
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	Date 01/12/2001
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U.S.A.	MA 02139
Full name of joint	Full name of joint
Inventor Larry M. Leibovich	Inventor, if any Kevin P. O'Connor
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	inventor, if any Tripong veerakamonnar
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Thomas II waster	Inventor, if any
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Fifth Inventor's signature James M La bowil	
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Seventh Inventor's signature	Eighth Inventor's signature
	Date
Date	Residence (city) Boston, (state or country) Massachusetts
	Citizenship U.S.A.
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Post Office Address: 312 Meadowbrook Road, Trafford, PA, 15085	Post Office Address: 41 Radnor Road, Boston, MA 02135, U.S.A.
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Full name of joint	Full name of joint
Inventor, if any Ronald A. Warfel	Inventor, if any
Intelligit any Itelliana It. Wallet	
Ninth Inventor's signature	Tenth Inventor's signature
Date	Date
Residence (city) Duncannon, (state or country) Pennsylvania	Residence (city), (state or country)
Citizenship U.S.A.	Citizenship
Post Office Address: 124 Barley Drive, Duncannon, PA 17020,	Post Office Address:
U.S.A.	

U.S.A

### DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: ECONOMIC SUPPLY OPTIMIZATION SYSTEM the specification of which is attached hereto as Application Serial No. \_\_\_ was filed on \_ and was amended on (if applicable). I hereby authorize and request our attorney, Davidson, Davidson & Kappel, LLC. of 485 Seventh Avenue, New York, New York 10018 to insert here in parentheses (Application number and application number of said application when known. I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information which is known to me to be material to the patentability of this application as defined in Title 37, Code of Federal Regulations, §1.56. I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign and/or provisional application(s) for patent or inventor's certificate listed below and have also identified below any foreign and/or provisional application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed. PRIOR APPLICATION(S) Priority claimed (Country) (Day/Month/Year Filed) Yes No (Number) (Day/Month/Year Filed) (Number) (Country) I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application: (Application Serial Number) (Filing Date) (Status) (patented, pending, abandoned) (Status) (patented, pending, abandoned) (Application Serial Number) (Filing Date) As a named inventor I hereby appoint the following attorneys and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected terewith as follows: Manny W. Schecter, Registration No. 31,722, Lauren C. Bruzzone, Registration No. 35,082, Christopher A. Hughes, Registration No. 26,914, Edward A. Pennington, Registration No. 32,588, John E. Hoel, Registration No. 26,279, Joseph C. Redmond, Jr., Registration No. 18,753, Richard M Ludwin, Registration No. 33,010, Douglas W. Cameron, Registration No. 31,596, Stephen C. Kaufman, Registration No. 29,551, Marian Underweiser, Registration No. 46,134, Wayne L. Ellenbogen, Registration No. 43,602, Robert M. Trepp, Registration No. 25,933, Louis P. Herzberg, Registration No. 41,500, Louis J. Percello, Registration No. 33,206, Paul J. Otterstedt, Registration No. 37,411, Daniel P. Morris, Registration No. 32,053, David M. Shofi, Registration No. 39,835 and Marc A. Ehrlich, Registration No. 39,966. Send correspondence to: outside counsel attorney Direct Telephone Calls to: outside counsel attorney I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full name of sole or first Full name of joint Inventor Steve Abbott Inventor, if any William E Dickey Second Inventor's signature Inventor's signature Date Residence (city) Wappingers Falls , (state or country) New York Residence (city) New Canaan , (state or country) Connecticut Citizenship U.S.A. Citizenship U.S.A. Post Office Address: 377 Main Street, #2, New Canaan, CT 06840, Post Office Address: 193 Town View Drive, Wappinger Falls, NY

Full name of joint	Full name of joint
Inventor, if any William F. Holden, Jr.	Inventor, if any Yung-Joon Lee
Third Inventor's signature  Date Residence (city) Shell Lake, (state or country) Wisconsin  Citizenship U.S.A.  Post Office Address: 23821 Azorah Lane, Shell Lake, WI 54871,  U.S.A.	Fourth Inventor's signature  Date  Residence (city) Cambridge, (state or country) Massachusetts  Citizenship U.S.A.  Post Office Address: 812 Memorial Drive, Apt # 1102, Cambridge, MA 02139
Full name of joint Inventor Larry M. Leibovich	Full name of joint Inventor, if any Kevin P. Q'Connor  Sixth Inventor's signature  Date 126/2005  Regidence (city) Hude Park (state or country) New York
Fifth Inventor's signature	Sixth Inventor's signature
Date Residence (city) Rochester , (state or country) Minnesota	Residence (city) Hyde Park , (state or country) New York
Citizenship U.S.A.	Citizenship U.S.A.
Post Office Address: 4015 Windsor Hills Ln SW., Rochester, MN	Post Office Address: 15 Stoutenburgh Drive, Hyde Park, NY
55902, U.S.A.	12538, U.S.A
Full name of joint Inventor, if any Joseph V. Stehle	Full name of joint Inventor, if any Pitipong Veerakamolmal
Gth Lucrostonia admotore	Eighth Inventor's signature
Seventh Inventor's signature	Date
Date	Residence (city) Boston, (state or country) Massachusetts
Citizenship, U.S.A.	Citizenship U.S.A.
Post Office Address: 312 Meadowbrook Road, Trafford, PA, 15085 U.S.A.	Post Office Address: 41 Radnor Road, Boston, MA 02135, U.S.A.
Full name of joint	Full name of joint
Inventor, if any Ronald A. Warfel	Inventor, if any
	Touth Inventor's gignature
Ninth Inventor's signature	Tenth Inventor's signature Date
Date	Residence (city) , (state or country)
Citizenship U.S.A.	Citizenship
Post Office Address: 124 Barley Drive, Duncannon, PA 17020,	Post Office Address:
U.S.A.	

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Full name of joint	Full name of joint
Inventor, if any William F. Holden, Jr.	Inventor, if any Yung-Joon Lee
Third Inventor's signature	Fourth Inventor's signature
Date	Date
Date	Residence (city) Cambridge, (state or country) Massachusetts
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Post Office Address: 23821 Azorah Lane, Shell Lake, WI 54871,	Post Office Address: 812 Memorial Drive, Apt # 1102, Cambridge,
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Full name of joint	Full name of joint
Inventor Larry M. Leibovich	Inventor, if any Kevin P. O'Connor
Eifth Inventoria aignotura	Carth Invantor's signature
Fifth Inventor's signature	Sixth Inventor's signature Date
Date	Residence (city) Hyde Park , (state or country) New York
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55902, U.S.A.	12538, U.S.A.
55702, 0.042.	12330, 0.071
Full name of joint	Full name of joint
Inventor, if any Joseph V. Stehle	Inventor, if any Pitipong Veerakamolmal
Seventh Inventor's signature Joseph V. Stable	Eighth Inventor's signature
Date JAW 16, 2001	Date
Residence (city) Trafford , (state or country) Pennsylvania	Residence (city) Boston, (state or country) Massachusetts
Citizenship U.S.A.	Citizenship U.S.A.
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U.S.A.	
Full name of joint	Full name of joint
Inventor, if any Ronald A. Warfel	Inventor, if any
Ninth Inventor's signature	Tenth Inventor's signature
Date	Date
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Citizenship U.S.A.	Cıtizenship
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Full name of joint Inventor, if any William F. Holden, Jr.	Full name of joint Inventor, if any Yung-Joon Lee
Third Inventor's signature  Date  Residence (city) Shell Lake , (state or country) Wisconsin  Citizenship U.S.A.  Post Office Address: 23821 Azorah Lane, Shell Lake, WI 54871, U.S.A.	Fourth Inventor's signature  Date Residence (city) Cambridge, (state or country) Massachusetts  Citizenship U.S.A. Post Office Address: 812 Memorial Drive, Apt # 1102, Cambridge, MA 02139
Full name of joint Inventor_Larry M. Leibovich	Full name of joint Inventor, if any <u>Kevin P. O'Connor</u>
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Full name of joint Inventor, if any Joseph V. Stehle	Full name of joint Inventor, if any Pttipong Veerakamolmal
Seventh Inventor's signature  Date Residence (city) Trafford , (state or country) Pennsylvania Citizenship U.S.A. Post Office Address: 312 Meadowbrook Road, Trafford, PA, 15085 U.S.A.	Eighth Inventor's signature  Date 0116 2001  Residence (city) Boston, (state or country) Massachusetts  Citizenship USA: THALAND 0100000000000000000000000000000000000
Full name of joint Inventor, if any Ronald A. Warfel	Full name of joint Inventor, if any
Ninth Inventor's signature  Date  Residence (city) Duncannon, (state or country) Pennsylvania  Citizenship U.S.A.  Post Office Address: 124 Barley Drive, Duncannon, PA 17020,  U.S.A.	Tenth Inventor's signature  Date Residence (city) , (state or country)  Citizenship Post Office Address:

My residence, post office address and	•	•		
	ount inventor of the subject matter will PLY OPTIMIZATION SYSTEM	hich is claimed and for which a patent is sought on	the invention enti	tled: ,
the specification of which				
X is attached hereto		A		
was filed on and was amended on	as A	Application Serial Noapplicable).		
I hereby authorize and rec to insert here in parenthes	juest our attorney, Davidson, Davids	on & Kappel, LLC. of 485 Seventh Avenue, New , filed	York, New York 1	10018
I hereby state that I have reviewed at amendment referred to above.	nd understand the contents of the abo	ove identified specification, including the claims, as	s amended by any	
I acknowledge the duty to disclose al Code of Federal Regulations, §1.56.	Il information which is known to me	to be material to the patentability of this application	on as defined in Tit	tle 37,
I hereby claim foreign priority benef inventor's certificate listed below and a filing date before that of the applica-	l have also identified below any fore	e, §119 of any foreign and/or provisional application ign and/or provisional application for patent or inv	on(s) for patent or entor's certificate l	having
PRIOR APPLICATION(S)			Priority c	laimed
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
35, United States Code, §112, I ackn	owledge the duty to disclose materia	ed States application in the manner provided by the all information as defined in Title 37, Code of Feder ational or PCT international filing date of this appliance (Status) (patented, pend	ral Regulations, §1 cation:	
(Application Serial Number)	(Filing Date)	(Status) (patented, pend	ing, abandoned)	_
Trademark Office connected terewith	n as follows:  o. 31,722, Lauren C. Bruzzone, Regis	nt(s) to prosecute this application and transact all b		ent and
Edward A. Pennington, Registration M. Ludwin, Registration No. 33,010 Underweiser, Registration No. 46,13 Registration No. 41,500, Louis J. Pe 32,053, David M. Shofi, Registration Send correspondence to:  Out Direct Telephone Calls to:  Out I hereby declare that all statements no be true; and further that these statem	, Douglas W. Cameron, Registration 4, Wayne L. Ellenbogen, Registration reello, Registration No. 33,206, Paul 1 No. 39,835 and Marc A. Ehrlich, R side counsel attorney side counsel attorney made herein of my own knowledge arents were made with the knowledge	ion No. 26,279, Joseph C. Redmond, Jr., Registrati No. 31,596, Stephen C. Kaufman, Registration No. on No. 43,602, Robert M. Trepp, Registration No. 2 J. Otterstedt, Registration No. 37,411, Daniel P. M	on No. 18,753, Rio 29,551, Marian 25,933, Louis P. H forris, Registration and belief are belive punishable by fi	chard erzberg n No.

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Fun name of joint	Full name of joint
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Third Inventor's signature	Fourth Inventor's signature
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Full name of joint	Full name of joint
	Inventor, if any Kevin P. O'Connor
Inventor Larry M. Leibovich	inventor, if any Revint 1. O Comor
Fifth Inventor's signature	Sixth Inventor's signature
Date	Date
Residence (city) Rochester , (state or country) Minnesota	Residence (city) Hyde Park, (state or country) New York
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- 4	TO 14
Full name of joint	Full name of joint
Inventor, if any Joseph V. Stehle	Inventor, if any Pitipong Veerakamolmal
Cavanth Invantor's signature	Eighth Inventor's signature
Seventh Inventor's signature	Date
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Inventor, if any Ronald A. Warfel	Inventor, if any
Ninth Inventor's signature Ronald A. Wurkel	
Date 1-22-2001	Tenth Inventor's signature
Residence (city) Duncannon, (state or country) Pennsylvania	Date
Citizenship U.S.A.	end at
Post Office Address: 124 Barley Drive, Duncannon, PA 17020,	Citizenship Post Office Address:
11 C A	1 OST OTHER PROGRESS.